

# Claims

[c1] What is claimed is:

1.A rear projection display apparatus comprising:  
an optical engine for providing an image beam;  
a multi-curvature reflection mirror, installed at the optical paths of said image beam, and constituted with a plurality of reflection faces with different curvatures;  
a screen, installed at said optical paths of said image beam reflected from said multi-curvature reflection mirror for displaying images; and  
a housing for containing said optical engine, said multi-curvature reflection mirror, and said screen.

[c2] 2.The rear projection display apparatus according to claim 1, wherein the curvature radius of each said reflection face is disposed depending on said optical path.

[c3] 3.The rear projection display apparatus according to claim 1, wherein a plane mirror is installed behind said screen, and said plane mirror is positioned at said optical paths of said image beam reflected from said multi-curvature reflection mirror.

[c4] 4.The rear projection display apparatus according to

claim 3, wherein said plane mirror is installed parallel to said screen.